



(C) WPI / DERWENT

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DC - B02 D16

FS - CPI

IC - C12P17/02

MC - B06-A03 B14-H01 D05-C D05-H08

M2 - [01] D021 D024 D025 D026 D030 D220 G010 G019 G100 H4 H404 H463 H481 H8

J0 J014 J2 J221 J231 J261 J3 J331 J5 J561 M1 M123 M136 M210 M211 M240

M262 M281 M283 M312 M321 M332 M344 M349 M371 M391 M412 M511 M520 M533

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9715-08601-P

- [02] D021 D024 D025 D026 D030 D220 G010 G100 H4 H401 H461 H8 J0 J014

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9715-08602-P

- [03] D021 D024 D025 D026 D030 D220 G010 G100 H4 H403 H404 H463 H464 H8

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- [04] D021 D024 D025 D026 D030 D220 F012 F013 F014 F015 F123 G010 G019

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M211 M214 M232 M240 M262 M283 M312 M321 M332 M344 M349 M371 M391 M412

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68515; 9715-08604-P

- [05] D021 D024 D025 D026 D030 D220 G010 G019 G100 H4 H404 H463 H481 H7

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Q233; 68515; 9715-08605-P

- [06] D021 D024 D025 D026 D030 D220 F012 F013 F014 F015 F123 G010 G019

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9715-08606-P

- [07] D021 D024 D025 D026 D030 D220 F012 F013 F014 F016 F123 G010 G019

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M240 M262 M281 M283 M312 M321 M332 M344 M349 M371 M391 M412 M511 M521

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9715-08607-P

- [08] G031 G034 G038 G039 G060 G750 M210 M211 M240 M283 M320 M415 M510

M520 M530 M541 M610 M720 M903 M904 N135 N136 N137 N161 N450 P633 Q233;

68858; 9715-08608-P

- [09] D021 D024 D025 D026 D030 D220 G010 G019 G100 H4 H403 H462 H481 H8

J0 J014 J2 J221 J231 J262 J3 J331 J5 J561 M1 M123 M136 M210 M211 M240

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M540 M720 M903 M904 N135 N136 N137 N161 N450 P633 Q233; 68515; R18653-P

PA - (MITC) MITSUI PETROCHEM IND CO LTD

PN - JP9028392 A 19970204 DW199715 C12P17/02 007pp

PR - JP19950180206 19950717

XA - C1997-050823

XIC - C12P-017/02 ; (C12P-017/02 C12R-001/91)

AB - J09028392 Prepn. of taxane type diterpenes comprises culturing tissues
and/or cells of a plant producing a taxane type diterpene in the

- presence of a cpd. for increasing the intracellular calcium concn. and recovering the diterpenes from the cultured prod. and/or the culture medium.
- Also claimed is prepn. of the diterpenes which comprises culturing tissues and/or cells of a plant producing the diterpenes in the presence of a cpd. for activating protein kinase and recovering the diterpenes from the cultured prod. and/or culture medium.
 - Pref. the cpd. for increasing the calcium concn. is a $\text{Ca}(2+)$ -ATPase inhibitor, esp. one or more of vanadate, cyclopiazonic acid, 2,5-di(tert.-butyl)- 1,4-benzohydroquinone, thapsigargin and lanthanum cpds.. Pref. the concn. of the inhibitor is 10^{-7} to 10^{-3} M. Alternatively, the cpd. is a calcium ionophore, esp. one or more of calcium ionophore A23187 and its analogues, ionomycin, lasalocid (X-537A), prostaglandin B₄, phosphatidic acid and 1,4,5-triphosphoinositol. Pref. the concn. of the ionophore is 10^{-9} to 10^{-6} M. Pref. the protein kinase activating cpd. is a phorbol ester. Pref. the concn. of the ester is 10^{-9} to 10^{-4} M. Pref. diterpenes comprise taxol, 10-deacetyltaxol, 7-epitaxol, baccatin III, 10-deacetyl baccatin III, 7-epibaccatin III, cephalomannin, 10-deacetylcephalomannin, 7-epicephalomannin, baccatin VI, taxol C, 10-deacetyltaxol C, taxagiphine, analogues of taxagiphine, taxane 1a, analogues of taxane, xylosyl cephalomannin and xylosyl taxol.
 - USE/ADVANTAGE - The diterpenes are useful as drugs against ovary, breast and liver cancers. The methods permit mass prodn. of the plant metabolites.(Dwg.0/0)
- C - C12P17/02 C12R1/91
- CN - 9715-08601-P 9715-08602-P 9715-08603-P 9715-08604-P 9715-08605-P 9715-08606-P 9715-08607-P 9715-08608-P R18653-P
- IW - PREPARATION DI TERPENE ANTICANCER DRUG COMPRISE CULTURE TISSUE CELL PLANT PRODUCE TYPE DI TERPENE PRESENCE COMPOUND INCREASE INTRA CELLULAR CALCIUM CONCENTRATE
- IKW - PREPARATION DI TERPENE ANTICANCER DRUG COMPRISE CULTURE TISSUE CELL PLANT PRODUCE TYPE DI TERPENE PRESENCE COMPOUND INCREASE INTRA CELLULAR CALCIUM CONCENTRATE
- NC - 001
- OPD - 1995-07-17
- ORD - 1997-02-04
- PAW - (MITC) MITSUI PETROCHEM IND CO LTD
- RRL - 68515 68858
- TI - Prepn. of taxane di:terpene(s) used as anticancer drugs - comprises culturing tissues and/or cells of plant producing taxane type di:terpene in presence of cpd. for increasing intra-cellular calcium concn.